



Note: Tracks are now grouped by subcluster and scaled. Switching in subcluster is indicated by changes in track color. Track scale is now set by default to display the region 30 bp upstream of start 1 to 30 bp downstream of the last possible start. If this default region is judged to be packed too tightly with annotated starts, the track will be further scaled to only show that region of the ORF with annotated starts. This action will be indicated by adding "Zoomed" to the title. For starts, yellow indicates the location of called starts comprised solely of Glimmer/GeneMark auto-annotations, green indicates the location of called starts with at least 1 manual gene annotation.

Pham 86767 Report

This analysis was run 04/05/24 on database version 557.

Pham number 86767 has 19 members, 3 are drafts.

Phages represented in each track:

- Track 1 : Ingrid_38, MediumFry_34, Loretta_38, Inked_38
- Track 2 : Linda_34, Shiba_34, BronxBay_34, Djungelskog_34, Michelle_34, Egad_34, MrAaronian_34, Salk_34, Raunak_35, Stayer_34, ProfFrink_35, Sloopyjoe_34, DoctorPepper_34, StarLord_34
- Track 3 : Sporto_36

Summary of Final Annotations (See graph section above for start numbers):

The start number called the most often in the published annotations is 3, it was called in 12 of the 16 non-draft genes in the pham.

Genes that call this "Most Annotated" start:

- BronxBay_34, Djungelskog_34, DoctorPepper_34, Egad_34, Linda_34, Michelle_34, MrAaronian_34, ProfFrink_35, Raunak_35, Salk_34, Shiba_34, Sloopyjoe_34, Sporto_36, StarLord_34, Stayer_34,

Genes that have the "Most Annotated" start but do not call it:

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Genes that do not have the "Most Annotated" start:

- Ingrid_38, Inked_38, Loretta_38, MediumFry_34,

Summary by start number:

Start 3:

- Found in 15 of 19 (78.9%) of genes in pham
- Manual Annotations of this start: 12 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: BronxBay_34 (AW), Djungelskog_34 (AW), DoctorPepper_34 (AW), Egad_34 (AW), Linda_34 (AW), Michelle_34 (AW), MrAaronian_34 (AW), ProfFrink_35 (AW), Raunak_35 (AW), Salk_34 (AW), Shiba_34 (AW), Sloopyjoe_34 (AW), Sporto_36 (AW), StarLord_34 (AW), Stayer_34 (AW),

Start 4:

- Found in 4 of 19 (21.1%) of genes in pham
- Manual Annotations of this start: 4 of 16
- Called 100.0% of time when present
- Phage (with cluster) where this start called: Ingrid_38 (AU3), Inked_38 (AU), Loretta_38 (AU3), MediumFry_34 (AU4),

Summary by clusters:

There are 4 clusters represented in this pham: AU3, AU, AU4, AW,

Info for manual annotations of cluster AU:

- Start number 4 was manually annotated 1 time for cluster AU.

Info for manual annotations of cluster AU3:

- Start number 4 was manually annotated 2 times for cluster AU3.

Info for manual annotations of cluster AU4:

- Start number 4 was manually annotated 1 time for cluster AU4.

Info for manual annotations of cluster AW:

- Start number 3 was manually annotated 12 times for cluster AW.

Gene Information:

Gene: BronxBay_34 Start: 27090, Stop: 27329, Start Num: 3

Candidate Starts for BronxBay_34:

(Start: 3 @27090 has 12 MA's), (7, 27195), (8, 27198), (10, 27240),

Gene: Djungelskog_34 Start: 27090, Stop: 27329, Start Num: 3

Candidate Starts for Djungelskog_34:

(Start: 3 @27090 has 12 MA's), (7, 27195), (8, 27198), (10, 27240),

Gene: DoctorPepper_34 Start: 27090, Stop: 27329, Start Num: 3

Candidate Starts for DoctorPepper_34:

(Start: 3 @27090 has 12 MA's), (7, 27195), (8, 27198), (10, 27240),

Gene: Egad_34 Start: 27091, Stop: 27330, Start Num: 3

Candidate Starts for Egad_34:

(Start: 3 @27091 has 12 MA's), (7, 27196), (8, 27199), (10, 27241),

Gene: Ingrid_38 Start: 29817, Stop: 30047, Start Num: 4

Candidate Starts for Ingrid_38:

(Start: 4 @29817 has 4 MA's), (6, 29898),

Gene: Inked_38 Start: 30483, Stop: 30716, Start Num: 4

Candidate Starts for Inked_38:

(Start: 4 @30483 has 4 MA's), (6, 30564),

Gene: Linda_34 Start: 27085, Stop: 27324, Start Num: 3

Candidate Starts for Linda_34:

(Start: 3 @27085 has 12 MA's), (7, 27190), (8, 27193), (10, 27235),

Gene: Loretta_38 Start: 29817, Stop: 30047, Start Num: 4

Candidate Starts for Loretta_38:

(Start: 4 @29817 has 4 MA's), (6, 29898),

Gene: MediumFry_34 Start: 28911, Stop: 29141, Start Num: 4

Candidate Starts for MediumFry_34:

(Start: 4 @28911 has 4 MA's), (6, 28992),

Gene: Michelle_34 Start: 27090, Stop: 27329, Start Num: 3

Candidate Starts for Michelle_34:

(Start: 3 @27090 has 12 MA's), (7, 27195), (8, 27198), (10, 27240),

Gene: MrAaronian_34 Start: 27090, Stop: 27329, Start Num: 3

Candidate Starts for MrAaronian_34:

(Start: 3 @27090 has 12 MA's), (7, 27195), (8, 27198), (10, 27240),

Gene: ProfFrink_35 Start: 27090, Stop: 27329, Start Num: 3

Candidate Starts for ProfFrink_35:

(Start: 3 @27090 has 12 MA's), (7, 27195), (8, 27198), (10, 27240),

Gene: Raunak_35 Start: 27085, Stop: 27324, Start Num: 3

Candidate Starts for Raunak_35:

(Start: 3 @27085 has 12 MA's), (7, 27190), (8, 27193), (10, 27235),

Gene: Salk_34 Start: 27085, Stop: 27324, Start Num: 3

Candidate Starts for Salk_34:

(Start: 3 @27085 has 12 MA's), (7, 27190), (8, 27193), (10, 27235),

Gene: Shiba_34 Start: 27085, Stop: 27324, Start Num: 3

Candidate Starts for Shiba_34:

(Start: 3 @27085 has 12 MA's), (7, 27190), (8, 27193), (10, 27235),

Gene: Sloopyjoe_34 Start: 27091, Stop: 27330, Start Num: 3

Candidate Starts for Sloopyjoe_34:

(Start: 3 @27091 has 12 MA's), (7, 27196), (8, 27199), (10, 27241),

Gene: Sporto_36 Start: 28583, Stop: 28819, Start Num: 3

Candidate Starts for Sporto_36:

(1, 28520), (2, 28547), (Start: 3 @28583 has 12 MA's), (5, 28661), (7, 28688), (8, 28691), (9, 28700),
(11, 28751), (12, 28763),

Gene: StarLord_34 Start: 27091, Stop: 27330, Start Num: 3

Candidate Starts for StarLord_34:

(Start: 3 @27091 has 12 MA's), (7, 27196), (8, 27199), (10, 27241),

Gene: Stayer_34 Start: 27085, Stop: 27324, Start Num: 3

Candidate Starts for Stayer_34:

(Start: 3 @27085 has 12 MA's), (7, 27190), (8, 27193), (10, 27235),